

Attorney Docket No.: 38464-0004

DECLARATION AND POWER OF ATTORNEY #3

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Regulator Gene and System Useful for the Diagnosis and Therapy of Osteoporosis

the specification of which:

— is attached hereto.

X was filed on August 17, 2001 as U.S. Serial No. 09/931,375

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before we invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me us, or by our legal representatives or assigns, more than twelve months prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Attorney Docket No.: 38464-0004

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/304,851	July 13, 2001
60/226,119	August 18, 2000
60/234,337	September 22, 2000

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No. 40,244
PATRICIA D. GRANADOS	Reg. No. 33,683
JOHN P. ISACSON	Reg. No. 33,715
RONALD J. KAMIS	Reg. No. 41,104
MARVIN A. MOTSENBOCKER	Reg. No. 36,614
COLIN G. SANDERCOCK	Reg. No. 31,298
SUSAN E. SHAW MCBEE	Reg. No. 39,294

Attorney Docket No.: 38464-0004

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, NW, Suite 300
Washington, DC 20006
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	<u>Matthew L. WARMAN</u>
Residence	<u>Shaker Heights, Ohio 44122</u>
Citizenship	<u>U.S.A.</u>
Post Office Address	<u>22026 Calverton Road, Shaker Heights, Ohio 44122</u>
Inventor's signature	<u><i>Matthew L. Warman</i></u>
Date	<u>1/17/02</u>
Name of second inventor	<u>Yaoqin GONG</u>
Residence	<u></u>
Citizenship	<u>U.S.A.</u>
Post Office Address	<u>c/o Shandong Medical University</u> <u>Jinan, Shandong, 250012, Peoples Republic of China</u>
Inventor's signature	<u></u>
Date	<u></u>

Name of third inventor

Bjorn R. OLSEN

Residence

Milton, Massachusetts

Citizenship

U.S.A.

Post Office Address

1053 Brush Hill Road, Milton, MA

Inventor's signature

Date

Name of fourth inventor

Georges RAWADI

Residence

Paris, France

Citizenship

French

Post Office Address

4 Rue de Louvois, 75002 Paris, France

Inventor's signature

Date

Name of fifth inventor

Sergio ROMAN-ROMAN

Residence

Paris, France

Citizenship

Spain

Post Office Address

22 Rue Wurtz, 75013 Paris, France

Inventor's signature

Date



Attorney Docket No.: 38464-0004

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Regulator Gene and System Useful for the Diagnosis and Therapy of Osteoporosis

the specification of which:

— is attached hereto.

X was filed on August 17, 2001 as U.S. Serial No. 09/931,375

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before we invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me us, or by our legal representatives or assigns, more than twelve months prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Attorney Docket No.: 38464-0004

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/304,851	July 13, 2001
60/226,119	August 18, 2000
60/234,337	September 22, 2000

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of Heller Ehrman White & McAuliffe to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No. 40,244
PATRICIA D. GRANADOS	Reg. No. 33,683
JOHN P. ISACSON	Reg. No. 33,715
RONALD J. KAMIS	Reg. No. 41,104
MARVIN A. MOTSENBOCKER	Reg. No. 36,614
COLIN G. SANDERCOCK	Reg. No. 31,298
SUSAN E. SHAW MCBEE	Reg. No. 39,294

Attorney Docket No.: 38464-0004

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, NW, Suite 300
Washington, DC 20006
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor Matthew L. WARMAN
Residence Shaker Heights, Ohio 44122
Citizenship U.S.A.
Post Office Address 22026 Calverton Road, Shaker Heights, Ohio 44122
Inventor's signature _____
Date _____

Name of second inventor Yaoqin GONG
Residence Jinan, Shandong, P.R.China
Citizenship Peoples Republic of China
Post Office Address c/o Shandong Medical University
Jinan, Shandong, 250012, Peoples Republic of China
Inventor's signature *Yaoqin Gong*
Date 1/11/02

Attorney Docket No.: 38464-0004

Name of third inventor

Bjorn R. OLSEN

Residence

Milton, Massachusetts

Citizenship

U.S.A.

Post Office Address

1053 Brush Hill Road, Milton, MA

Inventor's signature

Date

Name of fourth inventor

Georges RAWADI

Residence

Paris, France

Citizenship

French

Post Office Address

4 Rue de Louvois, 75002 Paris, France

Inventor's signature

Date

Name of fifth inventor

Sergio ROMAN-ROMAN

Residence

Paris, France

Citizenship

Spain

Post Office Address

22 Rue Wurtz, 75013 Paris, France

Inventor's signature

Date



Attorney Docket No.: 38464-0004

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Regulator Gene and System Useful for the Diagnosis and Therapy of Osteoporosis

the specification of which:

___ is attached hereto.

X was filed on **August 17, 2001** as U.S. Serial No. **09/931,375**

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before we invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me us, or by our legal representatives or assigns, more than twelve months prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U S Provisional Application Number	Filing Date
60/304,851	July 13, 2001
60/226,119	August 18, 2000
60/234,337	September 22, 2000

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U S Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of **Heller Ehrman White & McAuliffe** to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No. 40,244
PATRICIA D. GRANADOS	Reg. No. 33,683
JOHN P. ISACSON	Reg. No. 33,715
RONALD J. KAMIS	Reg. No. 41,104
MARVIN A. MOTSENBOCKER	Reg. No. 36,614
COLIN G. SANDERCOCK	Reg. No. 31,298
SUSAN E. SHAW MCBEE	Reg. No. 39,294

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, NW, Suite 300
Washington, DC 20006
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor	Matthew L. WARMAN
Residence	Shaker Heights, Ohio 44122
Citizenship	U.S.A.
Post Office Address	22026 Calverton Road, Shaker Heights, Ohio 44122
Inventor's signature	
Date	
Name of second inventor	Yaoqin GONG
Residence	
Citizenship	U.S.A.
Post Office Address	c/o Shandong Medical University Jinan, Shandong, 250012, Peoples Republic of China
Inventor's signature	
Date	

Name of third inventor

Bjorn R. OLSEN

Residence

Milton, Massachusetts

Citizenship

U.S.A.

Post Office Address

1053 Brush Hill Road, Milton, MA 02186

Inventor's signature

[Handwritten signature of Bjorn R. Olsen]

Date

1-22-02

Name of fourth inventor

Georges RAWADI

Residence

Paris, France

Citizenship

French

Post Office Address

4 Rue de Louvois, 75002 Paris, France

Inventor's signature

Date

Name of fifth inventor

Sergio ROMAN-ROMAN

Residence

Paris, France

Citizenship

Spain

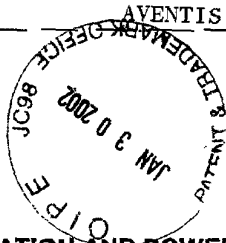
Post Office Address

22 Rue Wurtz, 75013 Paris, France

Inventor's signature

Date

20061015 15:25:53



Attorney Docket No.: 38464-0004

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I HEREBY DECLARE:

THAT my residence, post office address, and citizenship are as stated below next to my name;

THAT I believe I am an original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Regulator Gene and System Useful for the Diagnosis and Therapy of Osteoporosis

the specification of which:

_____ is attached hereto.

X was filed on August 17, 2001 as U.S. Serial No. 09/931,375

THAT I do not know and do not believe that the same invention was ever known or used by others in the United States of America, or was patented or described in any printed publication in any country, before we invented it;

THAT I do not know and do not believe that the same invention was patented or described in any printed publication in any country, or in public use or on sale in the United States of America, for more than one year prior to the filing date of this United States application;

THAT I do not know and do not believe that the same invention was first patented or made the subject of an inventor's certificate that issued in any country foreign to the United States of America before the filing date of this United States application if the foreign application was filed by me us, or by our legal representatives or assigns, more than twelve months prior to the filing date of this United States application;

THAT I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above;

THAT I believe that the above-identified specification contains a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention, and sets forth the best mode contemplated by me of carrying out the invention; and

THAT I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Attorney Docket No.: 38464-0004

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed?	Certified Copy Attached?

I HEREBY CLAIM the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date
60/304,851	July 13, 2001
60/226,119	August 18, 2000
60/234,337	September 22, 2000

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Number	PCT Parent Application Number	Parent Filing Date	Parent Patent Number

I HEREBY APPOINT the following registered attorneys and agents of the law firm of Heller Ehrman White & McAuliffe to have full power to prosecute this application and any continuations, divisions, reissues, and reexaminations thereof, to receive the patent, and to transact all business in the United States Patent and Trademark Office connected therewith:

PAUL BOOTH	Reg. No. 40,244
PATRICIA D. GRANADOS	Reg. No. 33,683
JOHN P. ISACSON	Reg. No. 33,715
RONALD J. KAMIS	Reg. No. 41,104
MARVIN A. MOTSENBOCKER	Reg. No. 36,614
COLIN G. SANDERCOCK	Reg. No. 31,298
SUSAN E. SHAW MCBEE	Reg. No. 39,294

Attorney Docket No.: 38464-0004

and I request that all correspondence be directed to:

HELLER EHRMAN WHITE & MCAULIFFE
1666 K Street, NW, Suite 300
Washington, DC 20006
Telephone: (202) 912-2000
Facsimile: (202) 912-2020

I UNDERSTAND AND AGREE THAT the foregoing attorneys and agents appointed by me to prosecute this application do not personally represent me or my legal interests, but instead represent the interests of the legal owner(s) of the invention described in this application.

I FURTHER DECLARE THAT all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name of first inventor

Matthew L. WARMAN

Residence

Shaker Heights, Ohio 44122

Citizenship

U.S.A.

Post Office Address

22026 Calverton Road, Shaker Heights, Ohio 44122

Inventor's signature

Date

Name of second inventor

Yaoqin GONG

Residence

Citizenship

U.S.A.

Post Office Address

c/o Shandong Medical University
Jinan, Shandong, 250012, Peoples Republic of China

Inventor's signature

Date

Attorney Docket No.: 38464-0004

Name of third inventor

Bjorn R. OLSEN

Residence

Milton, Massachusetts

Citizenship

U.S.A.

Post Office Address

1053 Brush Hill Road, Milton, MA

Inventor's signature

Date

Name of fourth inventor

Georges RAWADI

Residence

Paris, France

Citizenship

French

Post Office Address

4 Rue de Louvois, 75002 Paris, France

Inventor's signature

Date

Name of fifth inventor

Sergio ROMAN-ROMAN

Residence

Paris, France

Citizenship

Spain

Post Office Address

22 Rue Wurtz, 75013 Paris, France

Inventor's signature

Date